

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 6641 | (356/3.01-3.15,4.01-4.1,5.01-5.15,6-22).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/05/14 14:08 |
| L2    | 5    | ((("6,335,701") or ("3299427"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/05/14 14:08 |
| L3    | 0    | ("L1andoscillatorandcarrierfrequencyandintens\$4modulat\$4").PN.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/05/14 14:08 |
| L4    | 14   | L1 and oscillator and carrier frequency and intens\$4 modulat\$4                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR             | ON      | 2007/05/14 14:08 |
| L5    | 1    | L4 and base band frequency  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR             | ON      | 2007/05/14 14:08 |
| L6    | 4    | L1 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency convert\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR             | ON      | 2007/05/14 14:08 |
| L7    | 5    | L1 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency conver\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR             | ON      | 2007/05/14 14:08 |
| L8    | 1    | L1 and oscillator and intens\$4 modulat\$4 and base band frequency                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR             | ON      | 2007/05/14 14:08 |

## EAST Search History

|     |      |  |   |      |     |                  |
|-----|------|--|---|------|-----|------------------|
| L9  | 0    | (lidar or ladar) and oscillator and intens\$4 modulat\$4 and base band frequency | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L10 | 1    | L1 and oscillator and intens\$4 modulat\$4 and base band frequency               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L11 | 14   | oscillator and intens\$4 modulat\$4 and base band frequency                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L12 | 6641 | (356/3.01-3.15,4.01-4.1,5.01-5.15,6-22).CCLS.                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/05/14 14:08 |
| L13 | 1    | L12 and oscillator and intens\$4 modulat\$4 and base band frequency              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L14 | 1    | L12 and oscillator and intens\$4 modulat\$4 and base band frequency              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L15 | 5    | ((("6,335,701") or ("3299427"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/05/14 14:08 |
| L16 | 14   | oscillator and intens\$4 modulat\$4 and base band frequency                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |

## EAST Search History

|     |      |  |   |      |     |                  |
|-----|------|--|---|------|-----|------------------|
| L17 | 14   | L12 and oscillator and carrier frequency and intens\$4 modulat\$4                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L18 | 1    | L17 and base band frequency  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L19 | 0    | (lidar or ladar) and oscillator and intens\$4 modulat\$4 and base band frequency           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L20 | 0    | ("L1andoscillatorandcarrierfrequency andintens\$4modulat\$4").PN.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/05/14 14:08 |
| L21 | 5    | L12 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency conver\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| L22 | 4    | L12 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency convert\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2007/05/14 14:08 |
| S1  | 6527 | (356/3.01-3.15,4.01-4.1,5.01-5.15, 6-22).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/14 11:10 |
| S2  | 5    | ((("6,335,701") or ("3299427")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/14 11:57 |

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|     |    |   |   |      |     |                  |
|-----|----|---|---|------|-----|------------------|
| S3  | 0  | ("L1andoscillatorandcarrierfrequency andintens\$4modulat\$4").PN.                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/14 11:58 |
| S4  | 14 | S1 and oscillator and carrier frequency and intens\$4 modulat\$4                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:39 |
| S5  | 1  | S4 and base band frequency  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:02 |
| S6  | 4  | S1 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency convert\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:40 |
| S7  | 5  | S1 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency conver\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:43 |
| S8  | 1  | S1 and oscillator and intens\$4 modulat\$4 and base band frequency                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:43 |
| S9  | 0  | (lidar or ladar) and oscillator and intens\$4 modulat\$4 and base band frequency          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:44 |
| S10 | 1  | S1 and oscillator and intens\$4 modulat\$4 and base band frequency                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:46 |

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|     |      |  |   |      |     |                  |
|-----|------|--|---|------|-----|------------------|
| S11 | 14   | oscillator and intens\$4 modulat\$4 and base band frequency                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/14 12:46 |
| S12 | 6528 | (356/3.01-3.15,4.01-4.1,5.01-5.15,6-22).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/20 16:31 |
| S13 | 5    | ((("6,335,701") or ("3299427"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/20 16:31 |
| S14 | 0    | ("L1andoscillatorandcarrierfrequencyandintens\$4modulat\$4").PN.                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2006/11/20 16:31 |
| S15 | 14   | S12 and oscillator and carrier frequency and intens\$4 modulat\$4                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/20 16:31 |
| S16 | 1    | S15 and base band frequency  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/20 16:31 |
| S17 | 4    | S12 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency convert\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/20 16:31 |
| S18 | 5    | S12 and oscillator and carrier frequency and intens\$4 modulat\$4 and frequency conver\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/11/20 16:31 |

## EAST Search History

|     |    |  |   |      |    |                  |
|-----|----|--|---|------|----|------------------|
| S19 | 1  | S12 and oscillator and intens\$4 modulat\$4 and base band frequency              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/11/20 16:31 |
| S20 | 0  | (lidar or ladar) and oscillator and intens\$4 modulat\$4 and base band frequency | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/11/20 16:31 |
| S21 | 1  | S12 and oscillator and intens\$4 modulat\$4 and base band frequency              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/11/20 16:31 |
| S22 | 14 | oscillator and intens\$4 modulat\$4 and base band frequency                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/11/20 16:31 |

## EAST Search History

| Ref # | Hits | Search Query   | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------|------------------|---------|------------------|
| S1    | 0    | light transmitting and light source and receiving same atmosphere and oscillator same modulating frequency and carrier frequency and signal processing unit and light and intensity modulator and optical frequency conversion and optical detection "means.com" | US-PGPUB | NEAR             | ON      | 2007/05/10 10:13 |
| S2    | 0    | light transmitting and light source and receiving same atmosphere and oscillator same modulating frequency and carrier frequency and signal processing unit and light and intensity modulator and optical frequency conversion and optical detection means.clm.  | US-PGPUB | NEAR             | ON      | 2007/05/10 10:13 |
| S3    | 0    | light transmitting and light source and receiving same atmosphere and oscillator same modulating frequency and carrier frequency and signal processing unit and light and intensity modulator and optical frequency conversion and optical. clm.                 | US-PGPUB | NEAR             | ON      | 2007/05/10 10:13 |
| S4    | 0    | light transmitting and light source and receiving same atmosphere and oscillator same modulating frequency and carrier frequency and signal processing unit and light and intensity modulator and optical frequency conversion.clm.                              | US-PGPUB | NEAR             | ON      | 2007/05/10 10:14 |
| S5    | 0    | light transmitting and light source and receiving same atmosphere and oscillator same modulating frequency and carrier frequency and signal processing unit and light and intensity modulator and optical frequency.clm.   | US-PGPUB | NEAR             | ON      | 2007/05/10 10:14 |
| S6    | 0    | light transmitting and light source and receiving same atmosphere and oscillator same modulating frequency and carrier frequency and signal processing unit and light and intensity modulator.clm.   | US-PGPUB | NEAR             | ON      | 2007/05/10 10:14 |
| S7    | 0    | light transmitting and light source and receiving same atmosphere and oscillator same modulating frequency and carrier frequency and signal processing unit and light.clm.   | US-PGPUB | NEAR             | ON      | 2007/05/10 10:15 |

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|     |   |  |          |      |    |                  |
|-----|---|--|----------|------|----|------------------|
| S8  | 0 | light transmitting and light source and receiving same atmospere and oscillator same modulating frequency and carrier frequency and signal processing unit.clm., | US-PGPUB | NEAR | ON | 2007/05/10 10:15 |
| S9  | 0 | light transmitting and light source and receiving same atmospere and oscillator same modulating frequency and carrier frequency. clm.                            | US-PGPUB | NEAR | ON | 2007/05/10 10:15 |
| S10 | 0 | light transmitting and light source and receiving same atmospere and oscillator same modulating frequency.clm.   | US-PGPUB | NEAR | ON | 2007/05/10 10:15 |